ANALYTICAL REPORT

Eurofins TestAmerica, Houston 6310 Rothway Street Houston, TX 77040 Tel: (713)690-4444

Laboratory Job ID: 600-185397-1

Client Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Revision: 1

For:

Cardno, Inc 970 Wedgewood Drive Crystal Lake, Illinois 60014

Attn: Ms. Cheryl Hennessy

Authorized for volcood

Authorized for release by: 6/6/2019 5:21:58 PM

Dean Joiner, Project Manager II (713)690-4444

dean.joiner@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Job ID: 600-185397-1

Laboratory: Eurofins TestAmerica, Houston

Narrative

Job Narrative 600-185397-1

Comments

No additional comments.

Receipt

The samples were received on 5/13/2019 4:02 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.4° C and 5.0° C.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

HPLC/IC

Method(s) 531.1, 531.1 LL: The continuing calibration verification (CCV) associated with batch 680-571330 recovered outside acceptance criteria, low biased, for Carbaryl. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 531.1: This sample failed high for ISTD and was a non detected. This sample has been reported.

WW-20190510-002-Day 8 (600-185397-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 608: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 600-265085 and analytical batch 600-265203 recovered outside control limits for the following analytes: Dicofol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 608: The continuing calibration verification (CCV) associated with batch 600-265203 recovered above the upper control limit for Toxaphene(55.3%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 600-265203/5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with method Nonylphenols aqueous in preparation batch 320-296808.

Method(s) 3510C, 608: Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: WW-20190510-002-Day 8 (600-185397-1) and WW-20190510-200-Day 8 (600-185397-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Lab Admin

This report was revised updating the reporting limits for the 608 analysis performed in TA Houston in regard to dicofol .

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Method Summary

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Method	Method Description	Protocol	Laboratory
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL CC
Organotins/GCMS	Organotins (GC/MS)	TAL SOP	TAL BUR
WS-MS-0010	Nonylphenols	TAL SOP	TAL SAC
608	Organochlorine Pesticides in Water	40CFR136A	TAL HOU
531.1	Carbamate Pesticides (HPLC)	EPA	TAL SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUR
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SAC
608	Liquid-Liquid Extraction (Separatory Funnel)	40CFR136A	TAL HOU
CWA_Prep_CLLE	Liquid-Liquid Extraction (Continuous)	40CFR136A	TAL CC

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL CC = Eurofins TestAmerica, Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Sample Summary

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
600-185397-1	WW-20190510-002-Day 8	Water	05/10/19 11:30	05/13/19 16:02	
600-185397-2	WW-20190510-200-Day 8	Water	05/10/19 11:30	05/13/19 16:02	

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Job ID: 600-185397-1

Client: Cardno, Inc Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Client Sample ID: WW-20190510-002-Day 8

Lab Sample ID: 600-185397-1 Date Collected: 05/10/19 11:30 **Matrix: Water**

Date Received: 05/13/19 16:02

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.861	U	10.0	0.861	ug/L		05/17/19 15:00	05/20/19 07:41	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	81		26 - 120				05/17/19 15:00	05/20/19 07:41	
2-Fluorobiphenyl	76		22 - 120				05/17/19 15:00	05/20/19 07:41	
Terphenyl-d14	71		10 - 134				05/17/19 15:00	05/20/19 07:41	
Phenol-d5 (Surr)	80		10 - 120				05/17/19 15:00	05/20/19 07:41	
2-Fluorophenol	68		10 - 120				05/17/19 15:00	05/20/19 07:41	1
2,4,6-Tribromophenol	96		24 - 131				05/17/19 15:00	05/20/19 07:41	1
Method: Organotins/GCMS - C	organotins ((GC/MS)							
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	0.0455	U	0.0455	0.0455	ug/L		05/17/19 13:00	05/22/19 11:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tripentyltin	97		15 - 150				05/17/19 13:00	05/22/19 11:57	
Method: WS-MS-0010 - Nonylg	henols								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nonylphenol	1.61	U	5.02	1.61	ug/L		05/24/19 12:45	05/24/19 21:50	
Bisphenol-A	0.321	U	1.00	0.321	ug/L		05/24/19 12:45	05/24/19 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-nonylphenol monoethoxylate (Surr)	57		47 - 138				05/24/19 12:45	05/24/19 21:50	
Method: 608 - Organochlorine	Pesticides	in Water							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dicofol	0.208	U	0.208	0.208	ug/L		05/15/19 08:42	05/16/19 18:56	1
Mirex	0.0208	U	0.208	0.0208	ug/L		05/15/19 08:42	05/16/19 18:56	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Tetrachloro-m-xylene	63		32 - 143				05/15/19 08:42	05/16/19 18:56	
DCB Decachlorobiphenyl	50		36 - 144				05/15/19 08:42	05/16/19 18:56	1
Method: 531.1 - Carbamate Pe	sticides (H	PLC)							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		U							

Lab Sample ID: 600-185397-2 Client Sample ID: WW-20190510-200-Day 8

Date Collected: 05/10/19 11:30 Date Received: 05/13/19 16:02

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.861	U	10.0	0.861	ug/L		05/17/19 15:00	05/20/19 08:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		26 - 120				05/17/19 15:00	05/20/19 08:09	1
2-Fluorobiphenyl	76		22 - 120				05/17/19 15:00	05/20/19 08:09	1
Terphenyl-d14	71		10 - 134				05/17/19 15:00	05/20/19 08:09	1
Phenol-d5 (Surr)	80		10 - 120				05/17/19 15:00	05/20/19 08:09	1
2-Fluorophenol	69		10 - 120				05/17/19 15:00	05/20/19 08:09	1

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Matrix: Water

Client Sample Results

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Client Sample ID: WW-20190510-200-Day 8 Lab Sample ID: 600-185397-2

Date Collected: 05/10/19 11:30 **Matrix: Water**

Date Received: 05/13/19 16:02

Method: 625 -	Semivolatile	Organic	Compounds	(GC/MS)	(Continued)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	97	24 - 131	05/17/19 15:00	05/20/19 08:09	1

Method: Organotins/GCMS	- Organotine	(GC/MS)
wethou. Organouns/Gows	- Organioniis	(GC/IVIO)

	Result Qu	ualifier RI	. MDL	Unit	D	Prepared	Analyzed	Dil Fac
in	0.0455 U	0.045	0.0455	ug/L		05/17/19 13:00	05/22/19 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
Tripentyltin	95		15 - 150	05/17/19 13:00 05/22/19 12:18	1

Method: WS-MS-0010 - Nonylphenols

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nonylphenol	1.59	U	4.98	1.59	ug/L		05/24/19 12:45	05/24/19 22:21	1
Bisphenol-A	0.319	U	0.996	0.319	ug/L		05/24/19 12:45	05/24/19 22:21	1

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed	Dil Fac
4-nonylphenol monoethoxylate (Surr)	60	47 - 138	05/24/19 12:45 05/24/19 22:21	

Method: 608 - Organochlorine Pesticides in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dicofol	0.208	U	0.208	0.208	ug/L		05/15/19 08:42	05/16/19 19:24	1
Mirex	0.0208	U	0.208	0.0208	ug/L		05/15/19 08:42	05/16/19 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		32 - 143	05/15/19 08:42	05/16/19 19:24	1
DCB Decachlorobiphenyl	63		36 - 144	05/15/19 08:42	05/16/19 19:24	1

Method: 531.1 - Carbamate Pesticides (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	0.250	U	2.50	0.250	ug/L			05/23/19 01:26	1

Definitions/Glossary

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Qualifiers

GC/MS Semi VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

LCS or LCSD is outside acceptance limits.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)
LOD Limit of Detection (DoD/DOE)
LOQ Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

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Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Prep Type: Total/NA **Matrix: Water**

_		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	FBP	TPHL	PHL	2FP	TBP
Lab Sample ID	Client Sample ID	(26-120)	(22-120)	(10-134)	(10-120)	(10-120)	(24-131)
600-185397-1	WW-20190510-002-Day 8	81	76	71	80	68	96
600-185397-2	WW-20190510-200-Day 8	78	76	71	80	69	97
LCS 560-162753/2-A	Lab Control Sample	85	82	92	83	80	90
LCSD 560-162753/3-A	Lab Control Sample Dup	86	85	93	85	79	88
MB 560-162753/1-A	Method Blank	83	79	88	78	75	81

Surrogate Legend

NBZ = Nitrobenzene-d5

FBP = 2-Fluorobiphenyl

TPHL = Terphenyl-d14

PHL = Phenol-d5 (Surr)

2FP = 2-Fluorophenol

TBP = 2,4,6-Tribromophenol

Method: Organotins/GCMS - Organotins (GC/MS)

Matrix: Water Prep Type: Total/NA

-			Percent Surrogate Recovery (Acceptance Limits)
		TPTT	,
Lab Sample ID	Client Sample ID	(15-150)	
600-185397-1	WW-20190510-002-Day 8	97	
600-185397-2	WW-20190510-200-Day 8	95	
LCS 200-143150/2-A	Lab Control Sample	85	
LCSD 200-143150/3-A	Lab Control Sample Dup	97	
MB 200-143150/1-A	Method Blank	83	
Surrogate Legend			
TPTT = Tripentyltin			

Method: WS-MS-0010 - Nonylphenols

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		4NPME	
Lab Sample ID	Client Sample ID	(47-138)	
600-185397-1	WW-20190510-002-Day 8	57	
600-185397-2	WW-20190510-200-Day 8	60	
LCS 320-296808/2-A	Lab Control Sample	100	
LCSD 320-296808/3-A	Lab Control Sample Dup	104	
MB 320-296808/1-A	Method Blank	76	
Surrogate Legend			

Method: 608 - Organochlorine Pesticides in Water

Matrix: Water Prep Type: Total/NA

-			Pe
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(32-143)	(36-144)
600-185397-1	WW-20190510-002-Day 8	63	50
600-185397-2	WW-20190510-200-Day 8	72	63

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Surrogate Summary

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Method: 608 - Organochlorine Pesticides in Water (Continued)

Matrix: Water Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TCX1	DCBP1				
Lab Sample ID	Client Sample ID	(32-143)	(36-144)				
LCS 600-265085/2-A	Lab Control Sample	87	89				
LCS 600-265085/9-A	Lab Control Sample	94	102				
LCSD 600-265085/10-A	Lab Control Sample Dup	90	98				
LCSD 600-265085/3-A	Lab Control Sample Dup	80	90				
MB 600-265085/1-A	Method Blank	68	79				

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Client: Cardno, Inc

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 560-162753/1-A Client Sample ID: Method Blank **Matrix: Water Prep Type: Total/NA Analysis Batch: 162775 Prep Batch: 162753**

MB MB Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 05/17/19 15:00 05/20/19 06:14 2,4,5-Trichlorophenol 0.861 U 10.0 0.861 ug/L

	МВ	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	83		26 - 120	05/17/19 15:00	05/20/19 06:14	1
2-Fluorobiphenyl	79		22 - 120	05/17/19 15:00	05/20/19 06:14	1
Terphenyl-d14	88		10 - 134	05/17/19 15:00	05/20/19 06:14	1
Phenol-d5 (Surr)	78		10 - 120	05/17/19 15:00	05/20/19 06:14	1
2-Fluorophenol	75		10 - 120	05/17/19 15:00	05/20/19 06:14	1
2,4,6-Tribromophenol	81		24 - 131	05/17/19 15:00	05/20/19 06:14	1

Lab Sample ID: LCS 560-162753/2-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA **Prep Batch: 162753 Analysis Batch: 162775** Spike LCS LCS %Rec. Added Result Qualifier Limits Unit %Rec

Analyte 2,4,5-Trichlorophenol 200 50 - 120 167.1 ug/L 84 LCS LCS

Surrogate %Recovery Qualifier Limits Nitrobenzene-d5 85 26 - 120 2-Fluorobiphenyl 82 22 - 120 Terphenyl-d14 92 10 - 134 Phenol-d5 (Surr) 83 10 - 120 2-Fluorophenol 80 10 - 120 2,4,6-Tribromophenol 24 - 131 90

Lab Sample ID: LCSD 560-162753/3-A **Client Sample ID: Lab Control Sample Dup Matrix: Water** Prep Type: Total/NA **Analysis Batch: 162775 Prep Batch: 162753**

LCSD LCSD Spike **RPD** %Rec. Added Result Qualifier Limit Analyte Unit %Rec Limits RPD 200 50 - 120 2,4,5-Trichlorophenol 165.1 ug/L 83 40.0

	LCSD	LCSD		
Surrogate	%Recovery	Qualifier	Limits	
Nitrobenzene-d5	86		26 - 120	
2-Fluorobiphenyl	85		22 - 120	
Terphenyl-d14	93		10 - 134	
Phenol-d5 (Surr)	85		10 - 120	
2-Fluorophenol	79		10 - 120	
2,4,6-Tribromophenol	88		24 - 131	

Method: Organotins/GCMS - Organotins (GC/MS)

0.0450 U

Tributyltin

Lab Sample ID: MB 200-143150/1-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 143256 Prep Batch: 143150 MB MB Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac

0.0450 ug/L

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6/6/2019 (Rev. 1)

05/17/19 13:00 05/22/19 11:14

0.0450

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Method: Organotins/GCMS - Organotins (GC/MS) (Continued)

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tripentyltin	83		15 - 150	05/17/19 13:00	05/22/19 11:14	1

Lab Sample ID: LCS 200-143150/2-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA **Analysis Batch: 143256 Prep Batch: 143150** Spike LCS LCS %Rec. Added Limits Analyte Result Qualifier Unit D %Rec Tributyltin 0.445 0.3636 82 30 - 150 ua/L

LCS LCS Surrogate %Recovery Qualifier Limits 15 - 150 Tripentyltin 85

Lab Sample ID: LCSD 200-143150/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Water

Analysis Batch: 143256

Prep Batch: 143150 Spike LCSD LCSD %Rec. **RPD** Added Analyte Result Qualifier Limits **RPD** Limit Unit D %Rec Tributyltin 0.445 0.3957 ug/L 89 30 - 150 8 30

LCSD LCSD Surrogate %Recovery Qualifier Limits 15 - 150 Tripentyltin 97

Method: WS-MS-0010 - Nonylphenols

Lab Sample ID: MB 320-296808/1-A

Matrix: Water

Prep Type: Total/NA **Analysis Batch: 296960 Prep Batch: 296808** MB MB Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 1.60 U 5.00 Nonylphenol 1.60 ug/L 05/24/19 12:45 05/24/19 19:45

Bisphenol-A 0.320 U 1.00 0.320 ug/L 05/24/19 12:45 05/24/19 19:45 MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 05/24/19 12:45 05/24/19 19:45 4-nonylphenol monoethoxylate (Surr) 76 47 - 138

Lab Sample ID: LCS 320-296808/2-A

Matrix: Water

Analysis Batch: 296960

Client Sample ID: Lab Control Sample Prep Type: Total/NA **Prep Batch: 296808** Spike LCS LCS %Rec.

Analyte Added Result Qualifier Unit D %Rec Limits Nonylphenol 24.0 21.17 ug/L 88 35 - 133 ug/L Bisphenol-A 4.80 4.145 86 42 - 120

LCS LCS

Limits Surrogate %Recovery Qualifier 100 47 - 138 4-nonylphenol monoethoxylate

(Surr)

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Prep Type: Total/NA

Client Sample ID: Method Blank

Spike

Added

24.0

4.80

Client: Cardno, Inc Job ID: 600-185397-1

LCSD LCSD

21.11

3.228

Result Qualifier

Unit

ug/L

ug/L

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Method: WS-MS-0010 - Nonylphenols (Continued)

Lab Sample ID: LCSD 320-296808/3-A

Matrix: Water

Analysis Batch: 296960

Client Sample ID: La	b Control Sample Dup
	Pren Type: Total/NA

67

Prep Batch: 296808

RPD %Rec. %Rec Limits RPD Limit 35 - 133 35 88 0

25

35

LCSD LCSD

Surrogate %Recovery Qualifier Limits 47 - 138 4-nonylphenol monoethoxylate 104

Analyte

Nonylphenol

Bisphenol-A

Method: 608 - Organochlorine Pesticides in Water

Lab Sample ID: MB 600-265085/1-A

Matrix: Water

Analysis Batch: 265203

Client Sample ID: Method Blank

42 - 120

Prep Type: Total/NA

Prep Batch: 265085

MB MB

Result Qualifier RL **MDL** Unit Analyte D **Prepared** Analyzed Dil Fac Dicofol 0.200 U 0.200 0.200 ug/L 05/15/19 08:41 05/16/19 16:37 Mirex 0.0200 U 0.200 0.0200 ug/L 05/15/19 08:41 05/16/19 16:37

MB MB

Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed Tetrachloro-m-xylene 68 32 - 143 05/15/19 08:41 05/16/19 16:37 DCB Decachlorobiphenyl 79 36 - 144 05/15/19 08:41 05/16/19 16:37

Lab Sample ID: LCS 600-265085/2-A

Matrix: Water

Analysis Batch: 265203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA **Prep Batch: 265085**

%Rec.

Added Analyte Result Qualifier Unit %Rec Limits Aldrin 1.00 1.195 ug/L 119 42 - 122 Dieldrin 1.00 1.306 ug/L 131 36 - 146

Spike

LCS LCS

LCS LCS

6.908

3.250

Result Qualifier

Unit

ug/L

ug/L

LCS LCS

Surrogate %Recovery Qualifier Limits 32 - 143 Tetrachloro-m-xylene 87 DCB Decachlorobiphenyl 89 36 - 144

Lab Sample ID: LCS 600-265085/9-A

Matrix: Water

Analyte

Dicofol

Mirex

Surrogate

Tetrachloro-m-xylene

DCB Decachlorobiphenyl

Analysis Batch: 265203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 265085

%Rec.

Limits

70 - 130

81

%Rec

173

LCS LCS

Limits

Spike

Added

4.00

4.00

%Recovery Qualifier 94 32 - 143 102 36 - 144

Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Method: 608 - Organochlorine Pesticides in Water (Continued)

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 600-265085/10-A **Matrix: Water Analysis Batch: 265203**

Prep Type: Total/NA **Prep Batch: 265085**

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Dicofol	4.00	7.007	*	ug/L		175	70 - 130	NaN	20
Mirex	4.00	3.324		ug/L		83		NaN	

LCSD LCSD Surrogate %Recovery Qualifier Limits 32 - 143 Tetrachloro-m-xylene 90 DCB Decachlorobiphenyl 98 36 - 144

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Lab Sample ID: LCSD 600-265085/3-A

Prep Type: Total/NA

Analysis Batch: 265203

Client: Cardno, Inc

Prep Batch: 265085

7								
-	Spike	LCSD	LCSD			%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit D	%Rec	Limits	RPD	Limit
Aldrin	1.00	1.211		ug/L	121	42 - 122	1	20
Dieldrin	1.00	1.339		ug/L	134	36 - 146	2	20

LCSD LCSD Surrogate %Recovery Qualifier Limits 32 - 143 Tetrachloro-m-xylene 80 36 - 144 DCB Decachlorobiphenyl 90

Method: 531.1 - Carbamate Pesticides (HPLC)

Lab Sample ID: MB 680-571330/4 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 571330

80 - 120

93

Prep Type: Total/NA

MB MB Analyte Result Qualifier RL **MDL** Unit Prepared Dil Fac Analyzed Carbaryl 0.250 U 2.50 0.250 ug/L 05/22/19 12:55

Lab Sample ID: LCS 680-571330/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

10.0

Analysis Batch: 571330

Spike LCS LCS %Rec. Added Limits **Analyte** Result Qualifier Unit %Rec

Lab Sample ID: LCSD 680-571330/6 **Client Sample ID: Lab Control Sample Dup** Prep Type: Total/NA

Matrix: Water Analysis Batch: 571330

Carbaryl

ug/L

9.260

LCSD LCSD RPD Spike %Rec. Added **Analyte** Result Qualifier Unit D %Rec Limits RPD Limit Carbaryl 10.0 8.656 ug/L 87 80 - 120

QC Association Summary

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

GC/MS Semi VOA

Prep Batch: 143150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185397-1	WW-20190510-002-Day 8	Total/NA	Water	3510C	
600-185397-2	WW-20190510-200-Day 8	Total/NA	Water	3510C	
MB 200-143150/1-A	Method Blank	Total/NA	Water	3510C	
LCS 200-143150/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 200-143150/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 143256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185397-1	WW-20190510-002-Day 8	Total/NA	Water	Organotins/GCM S	143150
600-185397-2	WW-20190510-200-Day 8	Total/NA	Water	Organotins/GCM S	143150
MB 200-143150/1-A	Method Blank	Total/NA	Water	Organotins/GCM S	143150
LCS 200-143150/2-A	Lab Control Sample	Total/NA	Water	Organotins/GCM S	143150
LCSD 200-143150/3-A	Lab Control Sample Dup	Total/NA	Water	Organotins/GCM S	143150

Prep Batch: 162753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185397-1	WW-20190510-002-Day 8	Total/NA	Water	CWA_Prep_CLL E	
600-185397-2	WW-20190510-200-Day 8	Total/NA	Water	CWA_Prep_CLL E	
MB 560-162753/1-A	Method Blank	Total/NA	Water	CWA_Prep_CLL E	
LCS 560-162753/2-A	Lab Control Sample	Total/NA	Water	CWA_Prep_CLL E	
LCSD 560-162753/3-A	Lab Control Sample Dup	Total/NA	Water	CWA_Prep_CLL	

Analysis Batch: 162775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185397-1	WW-20190510-002-Day 8	Total/NA	Water	625	162753
600-185397-2	WW-20190510-200-Day 8	Total/NA	Water	625	162753
MB 560-162753/1-A	Method Blank	Total/NA	Water	625	162753
LCS 560-162753/2-A	Lab Control Sample	Total/NA	Water	625	162753
LCSD 560-162753/3-A	Lab Control Sample Dup	Total/NA	Water	625	162753

Prep Batch: 296808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185397-1	WW-20190510-002-Day 8	Total/NA	Water	3510C	
600-185397-2	WW-20190510-200-Day 8	Total/NA	Water	3510C	
MB 320-296808/1-A	Method Blank	Total/NA	Water	3510C	
LCS 320-296808/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 320-296808/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 296960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185397-1	WW-20190510-002-Day 8	Total/NA	Water	WS-MS-0010	296808
600-185397-2	WW-20190510-200-Day 8	Total/NA	Water	WS-MS-0010	296808
MB 320-296808/1-A	Method Blank	Total/NA	Water	WS-MS-0010	296808
LCS 320-296808/2-A	Lab Control Sample	Total/NA	Water	WS-MS-0010	296808

QC Association Summary

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

GC/MS Semi VOA (Continued)

Analysis Batch: 296960 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 320-296808/3-A	Lab Control Sample Dup	Total/NA	Water	WS-MS-0010	296808

GC Semi VOA

Prep Batch: 265085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185397-1	WW-20190510-002-Day 8	Total/NA	Water	608	
600-185397-2	WW-20190510-200-Day 8	Total/NA	Water	608	
MB 600-265085/1-A	Method Blank	Total/NA	Water	608	
LCS 600-265085/2-A	Lab Control Sample	Total/NA	Water	608	
LCS 600-265085/9-A	Lab Control Sample	Total/NA	Water	608	
LCSD 600-265085/10-A	Lab Control Sample Dup	Total/NA	Water	608	
LCSD 600-265085/3-A	Lab Control Sample Dup	Total/NA	Water	608	

Analysis Batch: 265203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185397-1	WW-20190510-002-Day 8	Total/NA	Water	608	265085
600-185397-2	WW-20190510-200-Day 8	Total/NA	Water	608	265085
MB 600-265085/1-A	Method Blank	Total/NA	Water	608	265085
LCS 600-265085/2-A	Lab Control Sample	Total/NA	Water	608	265085
LCS 600-265085/9-A	Lab Control Sample	Total/NA	Water	608	265085
LCSD 600-265085/10-A	Lab Control Sample Dup	Total/NA	Water	608	265085
LCSD 600-265085/3-A	Lab Control Sample Dup	Total/NA	Water	608	265085

HPLC/IC

Analysis Batch: 571330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185397-1	WW-20190510-002-Day 8	Total/NA	Water	531.1	
600-185397-2	WW-20190510-200-Day 8	Total/NA	Water	531.1	
MB 680-571330/4	Method Blank	Total/NA	Water	531.1	
LCS 680-571330/5	Lab Control Sample	Total/NA	Water	531.1	
LCSD 680-571330/6	Lab Control Sample Dup	Total/NA	Water	531.1	

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4.6

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Lab Chronicle

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Client Sample ID: WW-20190510-002-Day 8

Lab Sample ID: 600-185397-1 Date Collected: 05/10/19 11:30 **Matrix: Water**

Date Received: 05/13/19 16:02

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	CWA_Prep_CLLE			250 mL	1 mL	162753	05/17/19 15:00	OV56	TAL CC
Total/NA	Analysis	625		1			162775	05/20/19 07:41	GEF	TAL CC
Total/NA	Prep	3510C			990 mL	5 mL	143150	05/17/19 13:00	CSB	TAL BUR
Total/NA	Analysis	Organotins/GCMS		1			143256	05/22/19 11:57	A1B	TAL BUR
Total/NA	Prep	3510C			996.7 mL	0.5 mL	296808	05/24/19 12:45	TWL	TAL SAC
Total/NA	Analysis	WS-MS-0010		1			296960	05/24/19 21:50	M1A	TAL SAC
Total/NA	Prep	608			240 mL	5.0 mL	265085	05/15/19 08:42	LER	TAL HOU
Total/NA	Analysis	608		1			265203	05/16/19 18:56	JAL	TAL HOU
Total/NA	Analysis	531.1		1	1 mL	1 mL	571330	05/23/19 00:56	UI	TAL SAV

Client Sample ID: WW-20190510-200-Day 8

Lab Sample ID: 600-185397-2 Date Collected: 05/10/19 11:30 **Matrix: Water** Date Received: 05/13/19 16:02

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	CWA_Prep_CLLE	-		250 mL	1 mL	162753	05/17/19 15:00	OV56	TAL CC
Total/NA	Analysis	625		1			162775	05/20/19 08:09	GEF	TAL CC
Total/NA	Prep	3510C			990 mL	5 mL	143150	05/17/19 13:00	CSB	TAL BUI
Total/NA	Analysis	Organotins/GCMS		1			143256	05/22/19 12:18	A1B	TAL BU
Total/NA	Prep	3510C			1003.9 mL	0.5 mL	296808	05/24/19 12:45	TWL	TAL SA
Total/NA	Analysis	WS-MS-0010		1			296960	05/24/19 22:21	M1A	TAL SAG
Total/NA	Prep	608			240 mL	5.0 mL	265085	05/15/19 08:42	LER	TAL HO
Total/NA	Analysis	608		1			265203	05/16/19 19:24	JAL	TAL HO
Total/NA	Analysis	531.1		1	1 mL	1 mL	571330	05/23/19 01:26	UI	TAL SA

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990 TAL CC = Eurofins TestAmerica, Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Laboratory: Eurofins TestAmerica, Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program		EPA Region	Identification Number	Expiration Date
Texas	NELAP	NELAP		T104704223-18-23	10-31-19
The following analytes	s are included in this repor	rt, but the laboratory is	not certified by the	e governing authority. This	list may include analytes for which
the agency does not o	offer certification.	•	•		,
the agency does not of Analysis Method	offer certification. Prep Method	Matrix	Analyt	e	,
0 ,		Matrix Water	Analyte Dicofo		

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
ANAB	DoD	 -	L2336	02-25-20
Connecticut	State Program	1	PH-0751	09-30-19
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-01-20
Florida	NELAP	4	E87467	06-30-19 *
Minnesota	NELAP	5	050-999-436	12-31-19
New Hampshire	NELAP	1	2006	12-18-19
New Jersey	NELAP	2	VT972	06-30-19 *
New York	NELAP	2	10391	04-01-20
Pennsylvania	NELAP	3	68-00489	04-30-20
Rhode Island	State Program	1	LAO00298	12-30-19
US Fish & Wildlife	Federal		LE-058448-0	07-31-19
USDA	Federal		P330-11-00093	07-24-20
Vermont	State Program	1	VT-4000	12-31-19
Virginia	NELAP	3	460209	12-14-19

Laboratory: Eurofins TestAmerica, Corpus Christi

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority Oklahoma	Program State Program	EPA Region	Identification Number 2018-070	Expiration Date 08-31-19	
Texas	NELAP	6	T104704210-19-23	03-31-20	
USDA	Federal		P330-18-00314	10-31-21	

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program		EPA Region	Identification Number	Expiration Date
Texas	NELAP	NELAP		T104704399	05-31-20
		,	- · · · · · · · · · · · · · · · · · · ·	. 9	is list may include ana
the agency does not a		Matrix	,	,	o not may morado ano
the agency does not of Analysis Method WS-MS-0010	Prep Method 3510C	Matrix Water	Analyt Bisphe	te	

Eurofins TestAmerica, Houston

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^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Cardno, Inc Job ID: 600-185397-1

Project/Site: ITC WW-20190510-002-Day 8 05-10-19

Laboratory: Eurofins TestAmerica, Savannah

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program		EPA Region	Identification Number	Expiration Date	
Texas	NELAP	NELAP		T104704185-19-12	11-30-19	
The following analyte the agency does not	•	rt, but the laboratory	is not certified by the	e governing authority. This	list may include analytes fo	
Analysis Method	Prep Method	Matrix	Analyt	e		

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Eurofins TestAmerica, Houston

6310 Rothway Street Houston, TX 77040 Phone (713) 690-4444 Fay (713) 690-5646

Chain of Custody Record

: curofins

Client Information	Sampler: C.P.119, 1	1. Phy	ges	Lab PN Joine		an A					Cam	er Trackin	g No(s):		COC No: 600-68340-1	8674.1
Client Contact: Ms. Cheryl Hennessy	Phone:		•	E-Mail: dean.	joine	r@te	stame	ericair	nc.co	n					Page: Page 1 of 1	
Company: Cardno, Inc									An	alysis	Reques	sted			Job #:	
Address: 970 Wedgewood Drive	Due Date Requeste	d:			T	T				1	10400		TT		Preservation	Codes:
City: Crystal Lake State, Zip: IL, 60014			ted (days):												A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3
Phone: Email:	PO#: Purchase Order WO#:	Requested			No)				**						G - Amchlor H - Ascorbic Ad	S - H2SO4 cid T - TSP Dodecahydrate
cheryl.randle@cardno.com	VVO #.				NO.		ylı		ct Lis					57	J - Ice J - Di Water	U - Acetone V - MCAA
Project Name: ITC Deer Park Water Samples Site:					tered Sample (Yes or No)	ist	OMS - TBT Only (MOD) Project Custom List			9000 6000 6000 6000 6000 6000 6000 6000			fcontainers	K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:		
Sample Identification	Sample Date	Sample Time	Туре		Field Filtered S	Z 8081A - Project List	Organotins_GCMS	S 531,1 - Carbaryl	Nonyiphenols	8270C - (MOD) CI		0-185397 Chain		Total Number of	Speci	al Instructions/Note:
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5/10/19	1130		Water	7	1	1	×	S I	×	+	of C		10		
WW-20190510-002-Day8		1130		Water	1	1		5	× .	5	+	ustody		-	-	
WW-20190510-200-Day 8	5/10/19	1100		Water	11	X	+				+	å E		9		the state of the state of
				Water	+	+				+	+			9	-	
				Water	1	+					7			9		
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Possible Hazard Identification						1										
	Poison B Unkno	wn 🖵	Radiological				Return	n To (Client		Dispo	ssed if s osal By L			ned longer th	an 1 month) Months
Empty Kit Relinquished by:		Date:			Time	1	_	_	-		-	Method o	f Shipment:			
Relinquished by	Date/Time: 5//3	/19	2:15	poany	40	1	eived	Y	X)	a	,		Date/Tips	17	- 198	16 Company SA
Relinquished by Wagn	Date/Time: 5/3 //	9	UOZ COT	SUS		-Rec	ered i	5	L	~			Datertime	50	1602	Company
Custody Seals Intact: Custody Seal No.:	Date/Time:		Cor	npany			ewed I	/	7	°C and Oth	na Denna d		Date/Time			Company
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	Sample	Receipt	Ch	LOC: 600 18539



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	202		eceiv	red: 5	1370	14:02
JOB NUMBER:	239/		CLIENT:	Co	John	
UNPACKED BY: _	a		CARRIER/DRIVE	R:	PC	
Custody Seal Present	t: VYES [ON	Number of Cooler	s Received:	2	
Cooler ID	Temp Blank / N Y / N Y / N Y / N Y / N	Trip Heph Y / N Y / N Y / N Y / N Y / N	Observed Tem (℃) 4.6	p Therm, ID	Them CF	Corrected Temp
4	Y / N Y / N Y / N	YAN	3/62		1	
CF = correction factor Samples received on LABORATORY PRES Base samples are>ph pH paper Lot #	SERVATION OF S	NO	EQUIRED: Acid preserved are	S-NO e <ph 2:<="" th=""><th>□ YES </th><th>□NO</th></ph>	□ YES	□NO
Did samples meet the	e laboratory's stand	ard conditions	of sample acceptabil	ity upon receipt	? .	YES NO
COMMENTS:						
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HS-SA-WI-013

Rev. 3; 07/01/2014

Eurofins TestAmerica, Houston

6310 Rothway Street Houston, TX 77040

louston, TX 77040

Chain of Custody Record



00-185397 Chain of Custody

eurofins

Environment Testing TestAmerica

Phone (713) 690-4444 Fax (713) 690-5646								-60	0-185	39/	Chai	1 01 (JUSIC	ouy				-			
Client Information (Sub Contract Lab)	Sampler:				b PM: oiner,	Dear	1 A	·					T		· -					COC No: 600-39525.1	
Client Contact: Shipping/Receiving	Phone:	•			Mail: ean.jo	iner@	ntest:	amei	ricaino	c.com	1_		State Tex	of Ori as	gin:					Page: Page 1 of 1	
Company: FestAmerica Laboratories, Inc.		-					ations F - Te		red (Se	e note	1):									Job #: 600-185397-1	
Address: 30 Community Drive, Suite 11,	Due Date Requeste	d;		-						۸	. [] .			. 4 1					Ī	Preservation Code	es:
City:	5/20/2019 TAT Requested (da	ne).			_			_		Ana	lysis	Re	ques	stea					4	A - HCL	M - Hexane
South Burlington	TAT Requested (ua	ysj.			1								1							B - NaOH C - Zn Acetate	N - None O - AsNaO2
State, Zip: √T, 05403																				D - Nitric Acid E - NaHSO4	P - Na2O4S Q - Na2SO3
Phone: 302-660-1990(Tel) 802-660-1919(Fax)	PO#:	-					only.												- 5	F - MeOH G - Amchlor	R - Na2S2O3 S - H2SO4
Email:	WO #:				- S		(MOD) TBT													H - Ascorbic Acid I - Ice J - DI Water	T - TSP Dodecahydrate U - Acetone V - MCAA
Project Name:	Project#:				⊣કુ		€									1		- 1		K - EDTA L - EDA	W - pH 4-5
TC WW-20190510-002-Day 8 05-10-19	60010840						5			1				1 1					contai	L-EDA	Z - other (specify)
Site:	SSOW#:				Sam S		GCMS/3510C												01 00	Other:	_
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)		r, Air)		Organotins_GC												Total Number	Special Ins	structions/Note:
	\rightarrow	$>\!$	Preserva	tion Code		\mathbb{X}	:				19 30	*		್ಯಾ	*	40.0	1		X		
WW-20190510-002-Day 8 (600-185397-1)	5/10/19	11:30 Central		Water			Х												2		
WW-20190510-200-Day 8 (600-185397-2)	5/10/19	11:30 Central		Water		Ш	х												2		
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Note: Since laboratory accreditations are subject to change, TestAmerica Laborato surrently maintain accreditation in the State of Origin listed above for analysis/test aboratories, Inc. attention immediately. If all requested accreditations are curren	s/matrix being analyz	ed, the sample	s must be ship	ped back to	the Te	estAme	erica la	borate	ory or o	ther in	structio	ories. ns will	This sa	ample :	shipm Any	nent is chang	forwar es to a	ded ur occredi	nder itatio	chain-of-custody. If t	he laboratory does not ought to TestAmerica
Possible Hazard Identification Unconfirmed	<u> </u>	,				San			osal (To Cl		e ma	\Box					s are	_		d longer than 1	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	able Rank: 2	2			Spe					Requ		Dispo	isai E	y La	ID		A	rcni	ive For	Months
							, , , , , ,						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
Empty Kit Relinquished by:		Date:				ime:								Meth	od of	Shipm					
Relinquished by: 170ULC	570	160	\mathbb{O}	Company	<u>刊</u>		Receiv	ved b	iglo		Yol	n					Tinde:	7//	7	1020	THBUI
Relinquished by:	Date/Time:			Company					<u> </u>	<u> </u>						Date/	Time:				Company
Relinquished by:	Date/Time:			Company			Receiv	ved by	<i>/</i> :							Date/	Time:				Company
Custody Seals Intact: Custody Seal No.: 732	236	- D	32				Cooler	r Tem	peratur	e(s) °(and O	ther R	emark	s: •	3,	C),	1.	8	Y	

SHIP DATE: 16MAY19 ACTWGT: 20.00 LB MAN CAD: 0758523/CAFE3211

BILL RECIPIENT

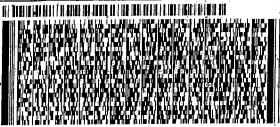
SHIPPING/RECEIVING TESTAMERICA LABORATORIES, INC. 30 COMMUNITY DRIVE SUITE 11

1 of 2 TRK# 4840 2906 1472

05403



TËSTAMERICA LÆGGRATORIES, INC. 30 COMMUNITY DRIVE SULTE 11



2 of 2 MPS# 4840 2906 1483

17 MAY 3:00P STANDARD OVERNIGHT

Mstr# 4840 2906 1472

0201



Eurofins TestAmerica, Houston

6310 Rothway Street Houston, TX 77040

Chain of Custody Record



eurofins

Environment Testing TestAmerica

Phone (713) 690-4444 Fax (713) 690-5646														_			
Client Information (Sub Contract Lab)	Sampler			Lab PM Joiner		n A				Carr	ier Tracki	ng No(s)			COC No: 600-39533.1		
Client Contact: Shipping/Receiving	Phone			E-Mail: dean.j	joiner(@testa	merica	inc.con	1	State	e of Origin	Τ.			Page Page 1 of 1		
Company TestAmerica Laboratories, Inc.						tations R P - Tex	Required (See note	2):						Job #: 600-185397-1		
Address	Due Date Requeste	ed:									Sec				Preservation Co	des:	
880 Riverside Parkway,	5/20/2019			_	_			Ana	llysis F	Reques	sted				A - HCL	M - Hexane	
City: West Sacramento State, Zip:	TAT Requested (da	iys):													B - NaOH C - Zn Acetate D - Nitric Acid	N - None O - AsNaO2 P - Na2O4S	
CA, 95605						List									E - NaHSO4	Q - Na2SO3	
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO#:					28Day (MOD) Project List									F - MeOH G - Amchlor H - Ascorbic Acid	R - Na2S2O3 S - H2SO4 T - TSP Dode	cahydrate
Email:	WO #:			1	No)	(MOD)								ξυ.	I - Ice J - DI Water	U - Acetone V - MCAA	
Project Name ITC WW-20190510-002-Day 8 05-10-19	Project #: 60010840				e (Yes or es or No)	28Day (containers	K - EDTA L - EDA	W - pH 4-5 Z - other (spec	cify)
Site:	ssow#				SD (Ye									of con	Other:		
		Sample	Sample Mat Type (Way, C=comp, Oawasi	ater,		Nonylphenols/3510C								Total Number			
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab) BT=Tissue Preservation Co			ž								Ĕ,	Special I	nstructions/N	lote:
		11:30		ŕ	\mathbf{Y}									\triangle			
WW-20190510-002-Day 8 (600-185397-1)	5/10/19	Central	Wat	ter		X								2			
WW-20190510-200-Day 8 (600-185397-2)	5/10/19	11:30 Central	Wat	ter		X								2			
2-34	_			\dashv	+		+		+	+		++					
					П												
Note: Since laboratory accreditations are subject to change, TestAmerica is currently maintain accreditation in the State of Origin listed above for analy Laboratories, Inc. attention immediately. If all requested accreditations are	sis/tests/matrix being analyze	ed, the sample	s must be shipped back	to the Te	estAme	erica lab	oratory or	other in:	structions v	s. This sa will be pro	imple ship vided. Ar	pment is fony change	orwarded u s to accred	nder litatio	chain-of-custody. If n status should be b	the laboratory do rought to TestAn	pes not nerica
Possible Hazard Identification					San	nple D	isposa	I (A fe	e may b			Carlo Alleran	s are reta	aine	d longer than 1	month)	
Unconfirmed					L	_	urn To				sal By I	Lab	\Box A	rchi	ve For	Months	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivers	able Rank: 2	2		Spe	ecial In	structio	ns/QC	Requirer	nents:							
Empty Kit Relinquished by:		Date:			ime:						Method (of Shipme	10-5				
Relinquished by:	Date/Lime 1	110	Company	1	4	Receive		1				Date/T		C	GOE	Company	
Relinquished by	Date/Time:	10	Company	y 1 1		Receive	ed by	M	- orx	0		Date/T		9	935	Company	re
Relinquished by:	Date/Time:		Compan	у		Receive	ed by:					Date/T	ime:			Company	
Custody Seals Intact: Custody Seal No.: 7327	235		1			Cooler 1	Temperat	ure(s) °C	and Other	r Remarks	Y.		100	100	,		
													-			Ver: 01/16/2	019











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Eurofins TestAmerica, Houston 6310 Rothway Street

Phone (713) 690-4444 Fax (713) 690-5646

Houston, TX 77040

Chain of Custody Record



eurofins

Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:			Joiner		an A							king No	(s):		6	600-39527.1
Client Contact: Shipping/Receiving	Phone:			E-Mail: dean.	ioiner	@tes	stamerio	cainc.c	om		State	e of Orig	jin:				Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				P		itations	s Require									1	Job #: 600-185397-1
Address: 1733 N. Padre Island Drive,	Due Date Requeste 5/20/2019	ed:						А	nalys	is Re	eques	sted				- 1	Preservation Codes: A - HCL M - Hexane
City: Corpus Christi	TAT Requested (da	ays):					П		П						100	36	B - NaOH N - None C - Zn Acetate O - AsNaO2
Corpus Christi State, Zip: TX, 78408																	D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3
Phone: 361-289-2673(Tel) 361-289-2471(Fax)	PO #:					1											F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate
Email:	WO #:				Or No	tom List							-1				I - Ice U - Acetone J - DI Water V - MCAA
Project Name: ITC WW-20190510-002-Day 8 05-10-19	Project #: 60010840			-	ered Sample (Yes or MS/MSD (Yes or No)	D) Custom											K - EDTA W - pH 4-5 L - EDA Z - other (specify)
Site:	SSOW#:				SD (Y	(MOD)							-1			of cor	Other:
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab) Sample (W=w S=sc O=was	ater, olid, te/oil,	Field Filtered	8270C/3520C_LVI										Total Number	Special Instructions/Note:
		><	Preservation Co	ode:	$\langle X \rangle$											X	
WW-20190510-002-Day 8 (600-185397-1)	5/10/19	11:30 Central	Wa	ter		Х										2	
WW-20190510-200-Day 8 (600-185397-2)	5/10/19	11:30 Central	Wa	ter	\perp	Х							_		200	2	
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				-	+		-	1	H	+	-	H	+	-	- 8		
							Щ					Щ					
Note: Since laboratory accreditations are subject to change. TestAmerica Labo currently maintain accreditation in the State of Origin listed above for analysis/tr Laboratories, Inc. attention immediately. If all requested accreditations are currently to the content of the	ests/matrix being analyz	ed, the sample	es must be shipped back	k to the T	TestAm	erica l	laboratory	y or othe	r instruct	ions wi	l his sa	ample s vided.	Any cha	t is forwar anges to a	accredit	tation	nain-or-custody. If the laboratory does not status should be brought to TestAmerica
Possible Hazard Identification				_	Sai					ay be				ples are	e reta	ine	d longer than 1 month)
Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	able Rank: 3)		Sne		Return T Instruct			uirem	_	sal By	/ Lab		☐ Ar	rchiv	ve For Months
	1 Timary Delivers	Date:		- 17	Time:	Coldi	11130100	01137 Q	O ricq	uncin	crito.	Metho	d of Shi	pment			
Empty Kit Relinquished by: Relinquished by:	Date/Times	Date.	↑↑ Compan		fille.	Rece	d by	_	-	2		Medie		ate/Time:	17		G 9'27 Company
Relinquished by:	Date/Time:	10	Compan	111	_	Rece	eived by:		6	>	_		Da	ate/Time:	(1-	-(Company
Relinquished by:	Date/Time:		Compan	у		Rece	eived by:						Da	ate/Time:			Company
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No						Coole	er Tempe	erature(s)	°C and	Other F	Remarks	16	2-(0	-1	O	.61-0.5CP
-																	Ver: 01/16/2019













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Eurofins TestAmerica, Houston

6310 Rothway Street Houston, TX 77040

Chain of Custody Record



🔆 eurofins

Environment Testing TestAmerica

Phone (713) 690-4444 Fax (713) 690-5646																		
Client Information (Sub Contract Lab)	Sampler				b PM biner,	Dear	n A				Carrier	Trackin	y No(s)			COC No: 600-39534.1		
Client Contact Shipping/Receiving	Phone:				Mail ean.jo	iner(@testam	ericaino	.com		State of Texas	f Origin				Page Page 1 of 1		
Company: TestAmerica Laboratories, Inc.							ations Required P - Texas		e note):							lob# 600-185397-1		
Address 5102 LaRoche Avenue,	Due Date Requeste 5/20/2019	d:							Analys	sis R	equest	ed			- 1	Preservation Code		
City Savannah	TAT Requested (da	ys):														A - HCL B - NaOH C - Zn Acetate	M - Hexane N - None O - AsNaO2	
State, Zip: GA, 31404																D - Nitric Acid E - NaHSO4 F - MeOH	P - Na2O4S Q - Na2SO3 R - Na2S2O3	
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO#				9										-	G - Amchior H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydrai	3
Email:	WO#				s or No)	or No)					11					I - Ice J - DI Water K - EDTA	U - Acetone V - MCAA W - pH 4-5	
Project Name ITC WW-20190510-002-Day 8 05-10-19	Project # 60010840				le (Ye	1 10								1 1		L-EDA	Z - other (specify)	
Site:	ssow#				Sample	ISD (Yes							11		ofco	Other:		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)		Field Filtered	erform MS/N	531.1/ Carbaryl								Total Number	Special In	structions/Note:	
MERCHANIC CONTRACTOR CONTRACTOR	_><	><	Preserva	tion Code	X	\mathbb{X}	1		Jo y						X	NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,		
WW-20190510-002-Day 8 (600-185397-1)	5/10/19	11:30 Central		Water			X								2			
WW-20190510-200-Day 8 (600-185397-2)	5/10/19	11:30 Central		Water			Х								2			
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Note: Since laboratory accreditations are subject to change, TestAmerica currently maintain accreditation in the State of Origin listed above for anal Laboratories, Inc. attention immediately. If all requested accreditations are	ysis/tests/matrix being analyz	ed, the sample	es must be ship	pped back to	the Te	estAm	erica labori	atory or o	ther instru	ctions v	This san	nple ship ded. Ar	ment is for	rwarded ur s to accred	nder (chain-of-custody. If t n status should be br	he laboratory does not ought to TestAmerica	
Possible Hazard Identification						Sai		ADVICE NO N		nay b	1					d longer than 1	The state of the s	Т
Unconfirmed Deliverable Requested I, II, III, IV, Other (specify)	Primary Deliver	able Rank:	2	-	-	Spe	Retur	n To Ci		quiren	Dispos	al By I	.ab	A	rchi	ive For	Months	_
Empty Kit Relinquished by:	-	Date:			T	ime:	_				-	Method	of Shipmer	nt	_			_
Relinquished by. All II B	Date/Tung 1 0	110	M	Company	TA	-	Received	by	1	1			Date/Ti	me //	17	A C 25	Company 1050V	-
Relinquished by	Date/Time	- LU	JU	Company	1.	-	Received	by:	7	U	1		Date/Ti	-17-1 me:	1	0905	Company	-
Relinquished by:	Date/Time:			Company			Received	by					Date/Tr	me			Company	
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No							Cooler Te	mperatur	re(s) °C ar	d Other	Remarks:			J.	4	15.4		

Environment Testing TestAmerica



600-185397 Field Sheet

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	Job:	
Tracking # <u>4840 2906 1391</u>	SO /PO FO / 2-Day / Ground / UPS / Courier / GS OnTrac / Goldstreak / USPS / Other r Custody Seal, Temperature & corrected Temperature & other observation	
File in the job folder with the COC.	Custody Seal, Temperature & corrected Temperature & other observation	1115.
Notes:	Therm. ID: AV7 Corr. Factor: 40.57 lce Wet Gel Other Cooler Custody Seal: 732235 Sample Custody Seal:	c - -
	Cooler ID:	_
	Temp Observed: 2.4° Corrected: 2.9° NCM Filed: Yes D No D	_
	Yes No N	IA
	Perchlorate has headspace?	A A
	Alkalinity has no headspace?	ב
	CoC is complete w/o discrepancies?	ב
	CoC is complete w/o discrepancies?	
	Sample preservatives verified?	
	Cooler compromised/tampered with?	
	Samples compromised/tampered with?	
	Samples w/o discrepancies?	
	Sample containers have legible labels?	
	Samples w/o discrepancies? Sample containers have legible labels? Containers are not broken or leaking? Sample date/times are provided. Appropriate containers are used?	
	Appropriate containers are used?	
	Sample bottles are completely filled?	
	Zero headspace?*	á
	Multiphasic samples are not present?	
The second of the second secon	Sample temp OK?	2
	Sample out of temp?	ב
	Initials: 50 Date: 5/17/19	
	*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1.	14")

Client: Cardno, Inc Job Number: 600-185397-1

Login Number: 185397 List Source: Eurofins TestAmerica, Houston

List Number: 1

Creator: Crafton, Tommie S

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or ampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4, 5.0
COC is present.	True	
OC is filled out in ink and legible.	True	
OC is filled out with all pertinent information.	True	
the Field Sampler's name present on COC?	True	
here are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate ITs)	True	
ample containers have legible labels.	True	
Containers are not broken or leaking.	True	
ample collection date/times are provided.	True	
ppropriate sample containers are used.	True	
ample bottles are completely filled.	True	
ample Preservation Verified.	True	
here is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is 6mm (1/4").	True	
fultiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required

Client: Cardno, Inc

Job Number: 600-185397-1

Login Number: 185397

List Number: 2

Creator: McNabb, Robert W

List Source: Eurofins TestAmerica, Burlington

List Creation: 05/17/19 11:01 AM

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples</td>	N/A	Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	732236, 732232
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or ampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0°C, 1.8°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client: Cardno, Inc Job Number: 600-185397-1

Login Number: 185397 List Source: Eurofins TestAmerica, Corpus Christi

List Number: 3 List Creation: 05/17/19 10:24 AM

Creator: Viveros, Ashley D

ordator. Trectos, Asimoy D		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Client: Cardno, Inc Job Number: 600-185397-1

Login Number: 185397 List Source: Eurofins TestAmerica, Sacramento

List Number: 5

List Creation: 05/18/19 04:56 PM

Creator: Chang Edric D

Creator: Chang, Edric D		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	732235
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client: Cardno, Inc Job Number: 600-185397-1

Login Number: 185397 List Source: Eurofins TestAmerica, Savannah List Number: 4

List Creation: 05/17/19 02:25 PM

Creator: Nobles, Terry G

QuestionAnswerCommentRadioactivity wasn't checked or is = background as measured by a survey meter.N/AThe cooler's custody seal, if present, is intact.TrueSample custody seals, if present, are intact.TrueThe cooler or samples do not appear to have been compromised or tampered with.TrueSamples were received on ice.TrueCooler Temperature is acceptable.TrueCooler Temperature is recorded.TrueCOC is present.TrueCOC is filled out in ink and legible.TrueCOC is filled out with all pertinent information.TrueIs the Field Sampler's name present on COC?N/AThere are no discrepancies between the containers received and the COC.TrueSamples are received within Holding Time (excluding tests with immediate HTs)TrueSample containers have legible labels.TrueContainers are not broken or leaking.TrueSample collection date/times are provided.TrueAppropriate sample containers are used.TrueSample bottles are completely filled.TrueSample Preservation Verified.N/AThere is sufficient vol. for all requested analyses, incl. any requestedTrue
meter. The cooler's custody seal, if present, is intact. Sample custody seals, if present, are intact. True The cooler or samples do not appear to have been compromised or tampered with. Samples were received on ice. Cooler Temperature is acceptable. True Cooler Temperature is recorded. True COC is present. True COC is filled out in ink and legible. COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? True Samples are received within Holding Time (excluding tests with immediate HTs) Sample containers have legible labels. True Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample Preservation Verified. True MS/MSDs
Sample custody seals, if present, are intact. True The cooler or samples do not appear to have been compromised or tampered with. Samples were received on ice. True Cooler Temperature is acceptable. Cooler Temperature is recorded. True COC is present. COC is filled out in ink and legible. COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? There are no discrepancies between the containers received and the COC. True Samples are received within Holding Time (excluding tests with immediate HTs) Sample containers have legible labels. True Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. True Sample Preservation Verified. True MS/MSDs
The cooler or samples do not appear to have been compromised or tampered with. Samples were received on ice. Cooler Temperature is acceptable. Cooler Temperature is recorded. True CoC is present. COC is filled out in ink and legible. COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? There are no discrepancies between the containers received and the COC. Samples are received within Holding Time (excluding tests with immediate HTs) Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified. True MS/MSDs
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MS/MSDs
Containers requiring zero headspace have no headspace or bubble is N/A <6mm (1/4").
Multiphasic samples are not present. True
Samples do not require splitting or compositing.
Residual Chlorine Checked. N/A